

Agricultural Compliance Report (March 19, 2018)

Inspection Date: February 22, 2018

Inspection Type: Permit Reissuance

Operation Name: **Ex. 6 Personal Privacy (PP)**

Operation Address:

Ex. 6 Personal Privacy (PP)

On-Site Representative: **Ex. 6 Personal Privacy (PP)** Owner

On February 22, 2018, Andrea Gruen, WDNR Agricultural Runoff Management Specialist, conducted a compliance inspection at **Ex. 6 Personal Privacy (PP)** as part of the WPDES permit reissuance process. Also present was **Ex. 6 Personal Privacy (PP)** Owner; **Ex. 6 Personal Privacy (PP)** and James Salscheider, WDNR Runoff Program Specialist.

Ex. 6 Personal Privacy (PP) consists of four operations: the Main Farm, Beef Farm, **Ex. 6 Personal Privacy (PP)** arm, and the **Ex. 6 Personal Privacy (PP)** Farm. No discharges of pollutants to waters of the state were observed during the inspection and the facility is deemed to be in substantial compliance with WPDES permit requirements.

Photo 1 (left). Site overview of **Ex. 6 Personal Privacy (PP)** and satellite facilities. Image obtained from Google Earth.

Ex. 6 Personal Privacy (PP)



Ex. 6 Personal Privacy (PP)

Photo 2 (left). Site overview of **Ex. 6 Personal Privacy (PP)**
Ex. 6 Personal Privacy (PP)
Main Farm in relation to surface water and wetlands (orange). Image obtained from WDNR Surface Water Data Viewer.

Ex. 6 Personal Privacy (PP)

Photo 3 (left). Site overview of **Ex. 6 Personal Privacy (PP)** — Beef Farm in relation to surface water and wetlands (orange). Image obtained from WDNR Surface Water Data Viewer.

Ex. 6 Personal Privacy (PP)

Photo 4 (above). Site overview of **Ex. 6 Personal Privacy (PP)** in relation to surface water and wetlands (orange). Image obtained from WDNR Surface Water Data Viewer.

Ex. 6 Personal Privacy (PP)

Photo 5 (left).

Site overview of

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP) arm in
relation to

surface water and
wetlands

(orange). Image

obtained from

WDNR Surface

Water Data

Viewer.

Ex. 6 Personal Privacy (PP)

Photo 6 (above). Site overview of Ex. 6 Personal Privacy (PP). Green dashed arrows indicate direction of feed storage surface runoff flow; blue dashed arrows indicate direction of clean storm water surface flow. Solid green and blue arrows indicate underground transfer systems. Blue and green circles indicate the location of manholes. Purple squares indicate the location of wells. Aerial image obtained from SnapMaps v. 16.1.

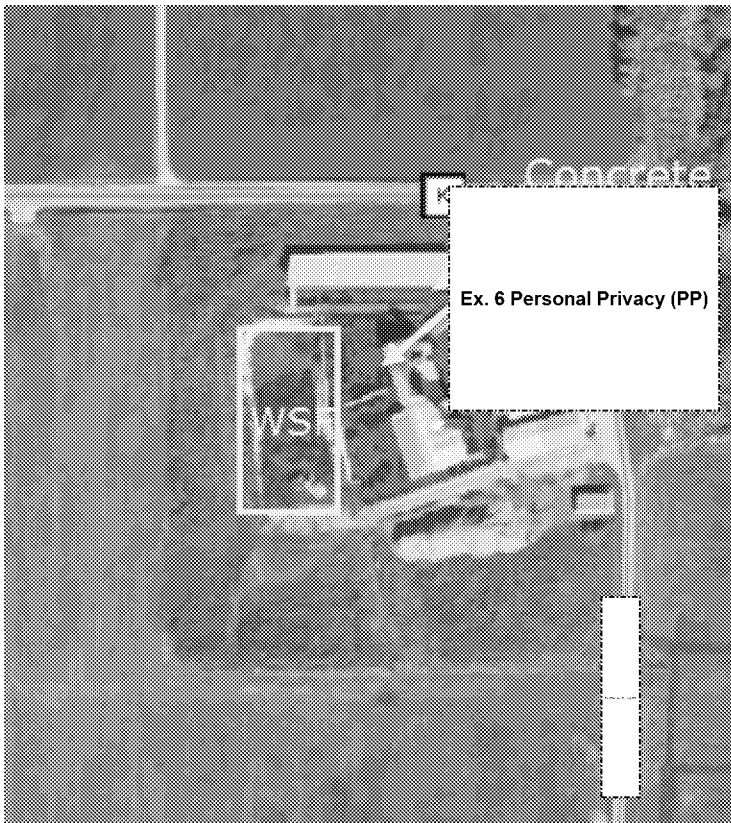


Photo 7 (left). Site overview of Dairy Enterprises— Beef Farm. Purple square indicates the location of wells. Aerial image obtained from SnapMaps v. 16.1.



Photo 8 (left). Site overview of Enterprises— LaLuzerne Farm. Aerial image obtained from Google Earth.

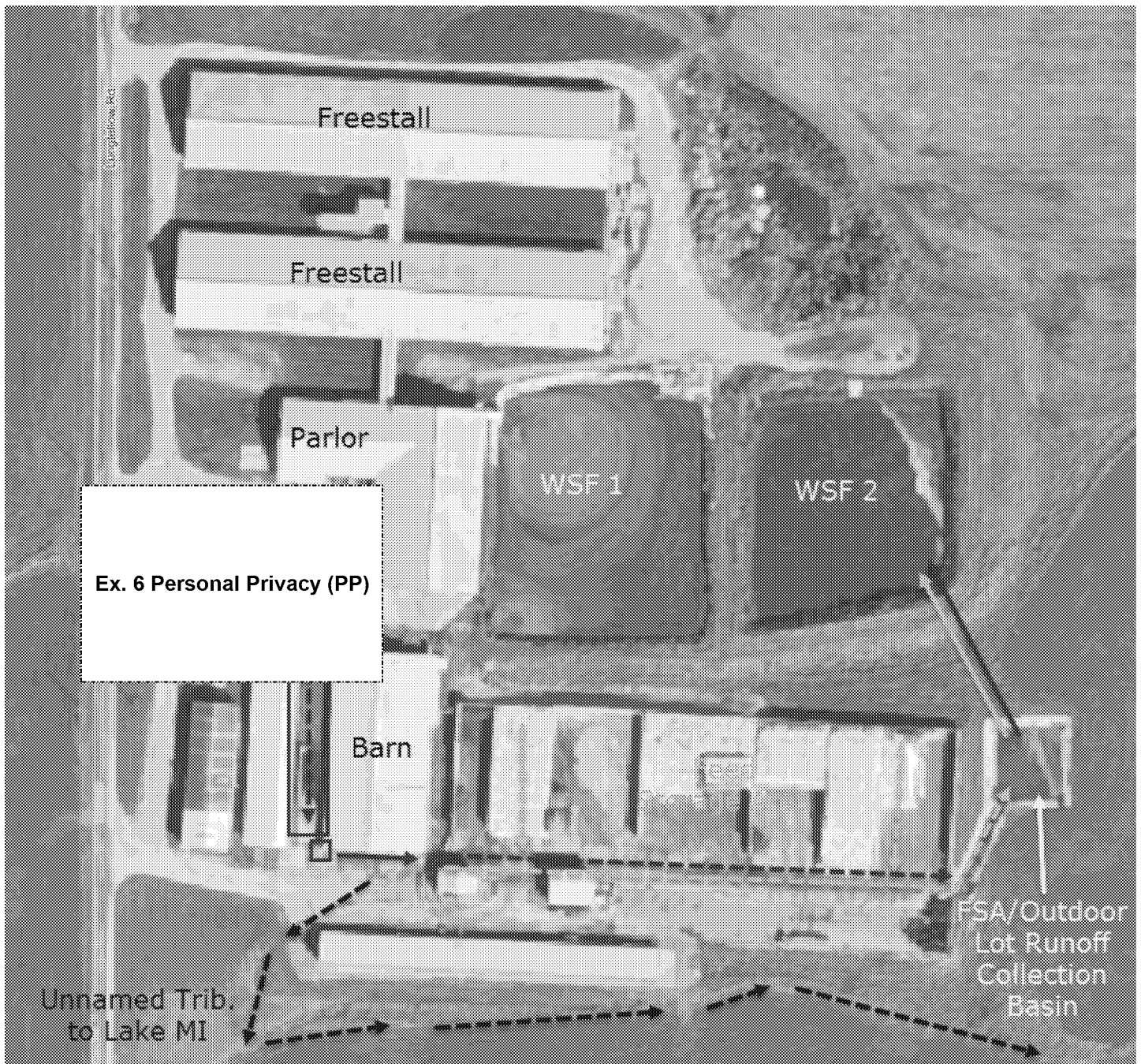


Photo 9 (above). Site overview of **Ex. 6 Personal Privacy (PP)** farm. Red dashed arrows indicate direction of outdoor lot surface runoff flow; solid red arrow indicates the direction of underground transfer system flow. Green dashed arrows indicate the direction of feed storage area surface runoff flow; solid green arrow indicates the direction of underground transfer system flow. Purple squares indicate the location of wells. Aerial image obtained from SnapPlus v. 16.1.

Feed Storage Areas (FSAs)

Main Farm: There are two FSAs at the Main Farm: the Main FSA and the South FSA. The Main FSA is located on the northwest corner of the production site. All runoff from this FSA flows south into liquid waste storage facilities (WSFs) 2 and 3. The west end of the pad was also being used for solid manure stacking at the time of inspection. The South FSA is located on the southeast corner of the production site. Runoff from this area flows south to the runoff collection system, which diverts leachate and first flush to WSF 1; the remainder of the runoff is transferred south under 10th Road to a vegetated treatment area (VTA), which was dormant at the time of inspection.

Beef Farm: There is no feed stored at the Beef Farm.

Ex. 6 Personal Privacy (PP) Farm: The FSA at the Ex. 6 Personal Privacy (PP) Farm is located on the south end of the production site. All runoff from this area flows south then east toward a runoff collection basin. The runoff from the collection basin is then transferred to WSF 2 via pump operated by a float switch.

Ex. 6 Personal Privacy (PP) Farm: There is no feed stored at the Ex. 6 Personal Privacy (PP) Farm.



Photo 10 (left). Main Farm—South FSA runoff collection manhole.

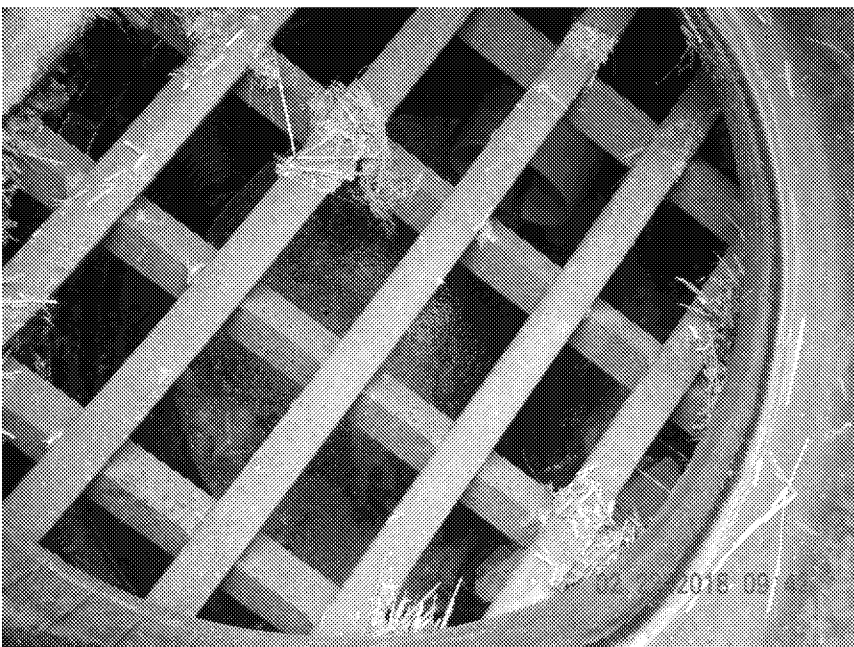


Photo 11 (left). Main Farm—South FSA inside runoff collection manhole.

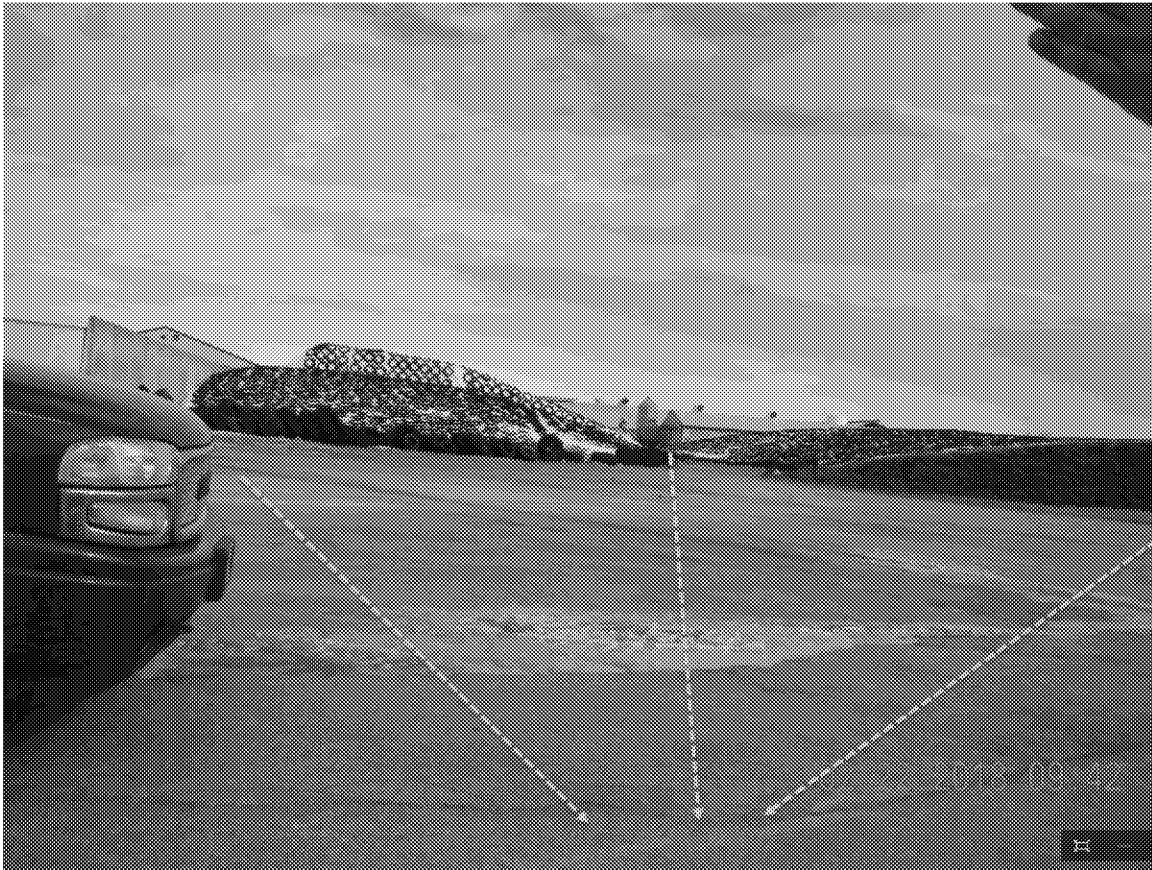


Photo 12 (left).
Main Farm—South
FSA (facing north).
Green dashed
arrows indicate the
direction of runoff
flow.

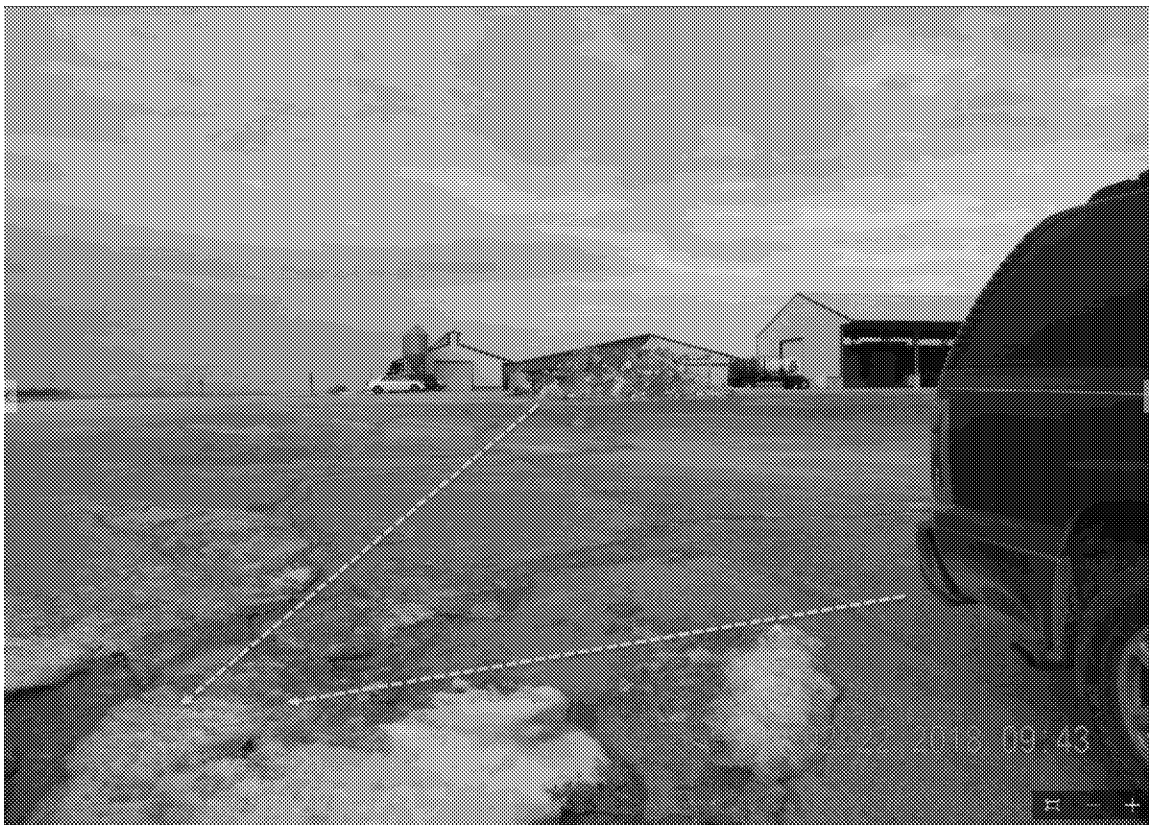
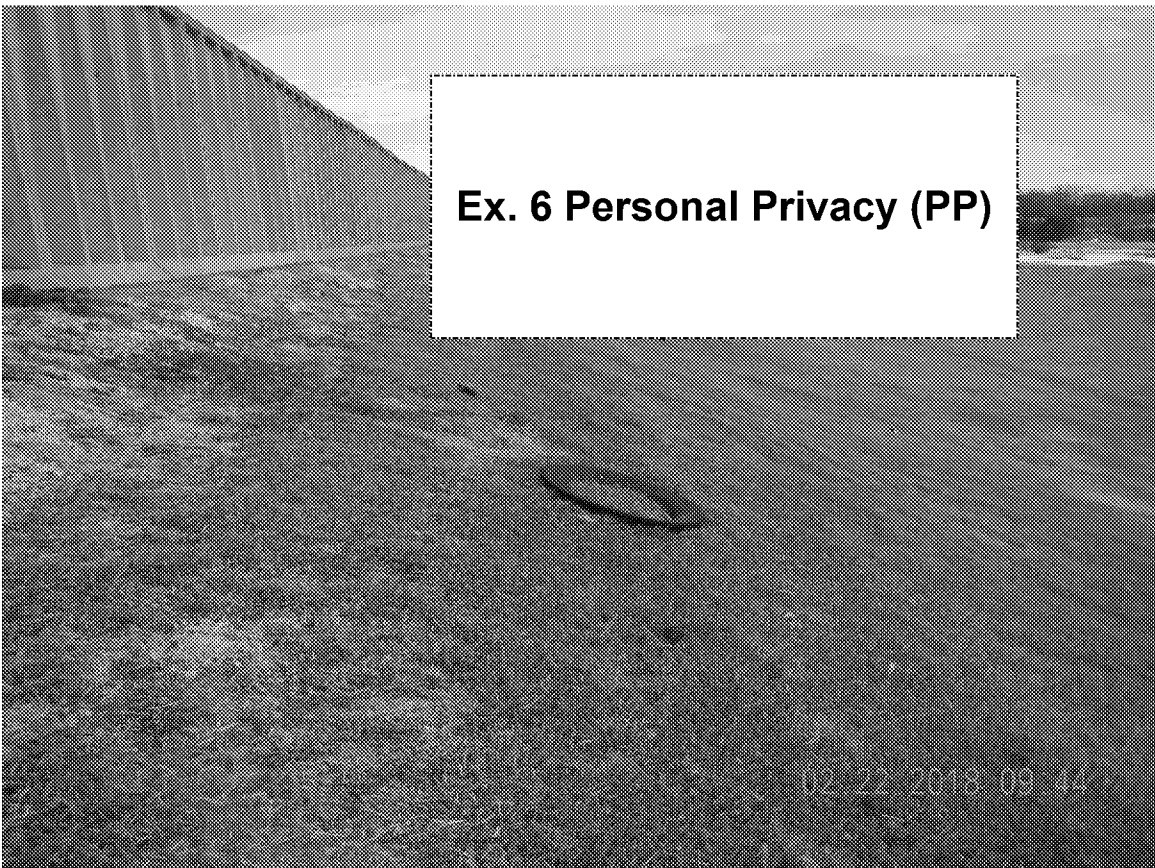


Photo 13 (left).
Main Farm—South
FSA (facing west).
Green dashed
arrows indicate the
direction of runoff
flow.



Photo 14 (left).
Main Farm—South
FSA, eastern
bunker wall along
Ex. 6 Personal Privacy (PP) facing
north).



Ex. 6 Personal Privacy (PP)

Photo 15 (left).
Main Farm—South
FSA, eastern
bunker wall along
Ex. 6 Personal Privacy (PP) facing
north).



Photo 16 (left).
Main Farm—South FSA, west side of VTA (facing east). Green arrows indicate the direction of runoff flow.

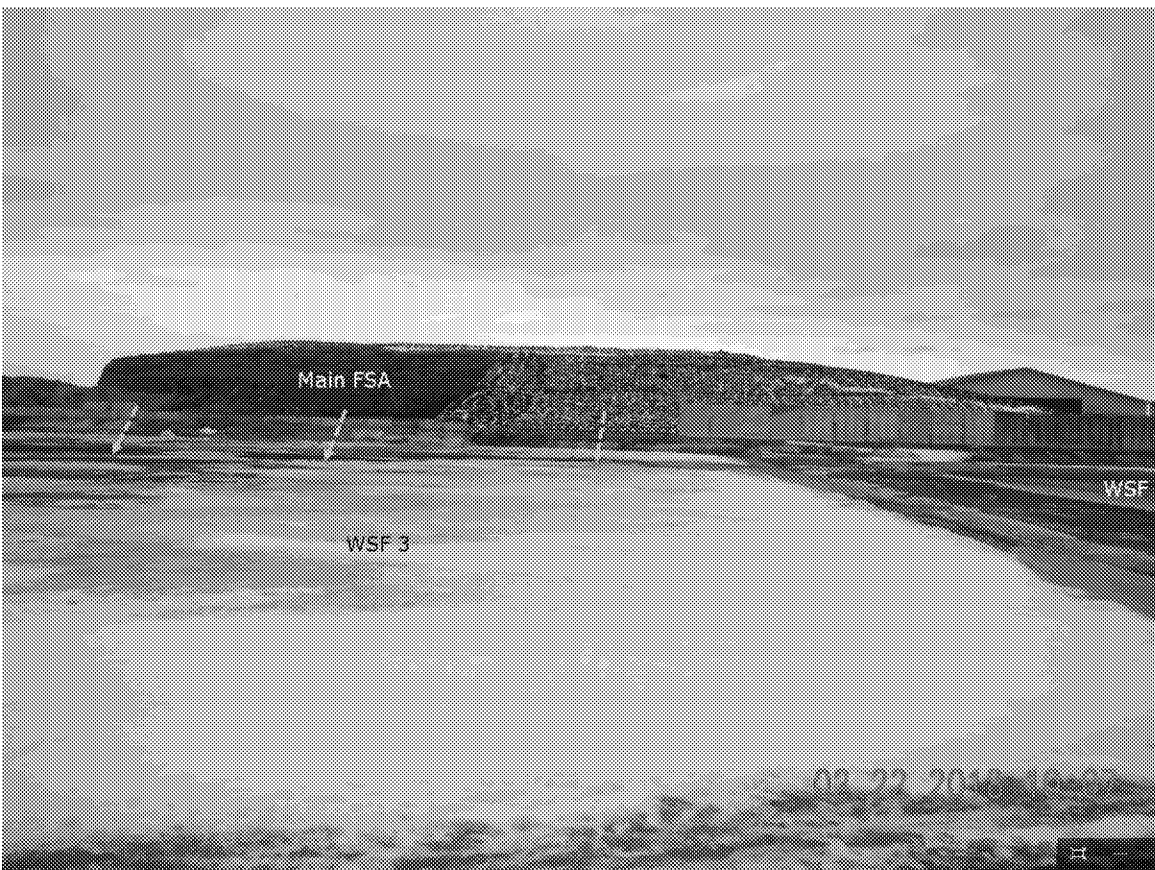


Photo 17 (left).
Main Farm—Main FSA (facing north). Green dashed arrows indicate the direction of runoff flow.



Photo 18 (left).
WSF 3 and south side of Main Farm—Main FSA (facing northwest). Green and red dashed arrows indicate the direction of runoff flow.

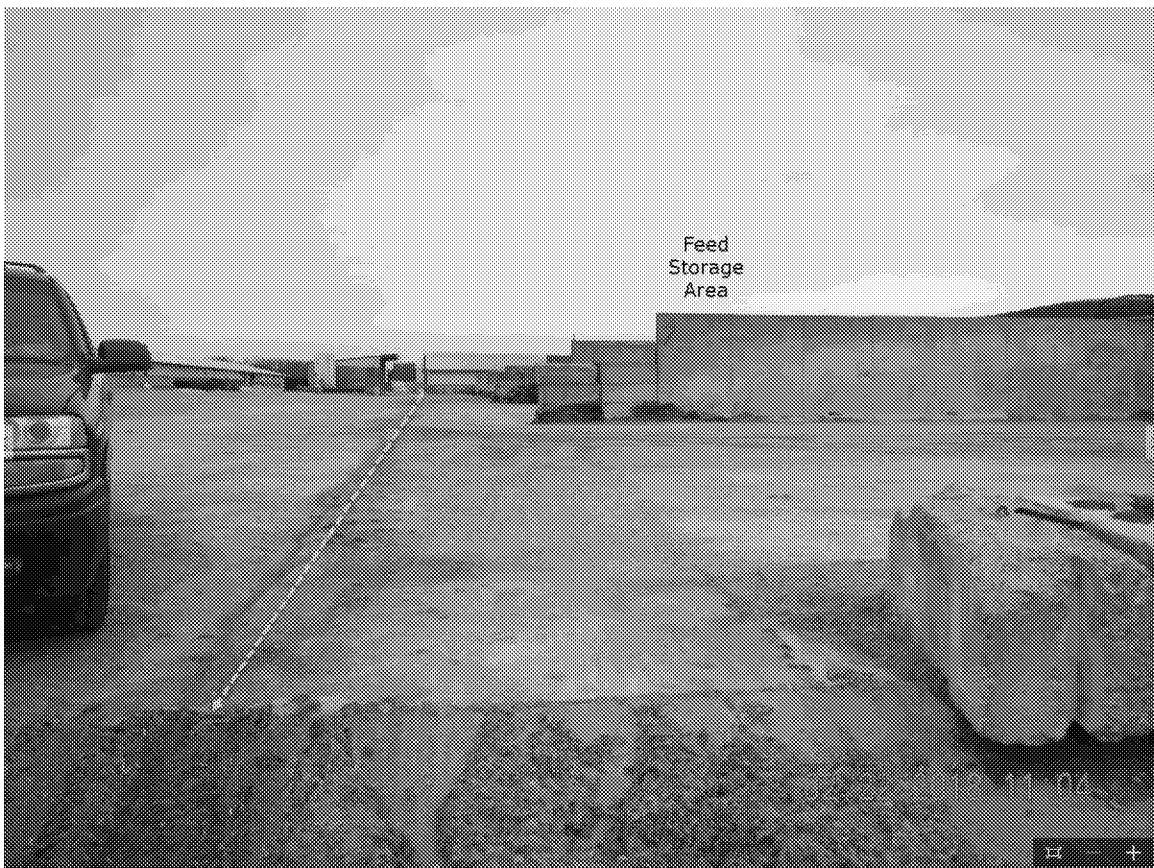


Photo 19 (left).
East end of
Ex. 6 Personal Privacy (PP)
FSA (facing west).
Green dashed arrow indicates the direction of runoff flow.

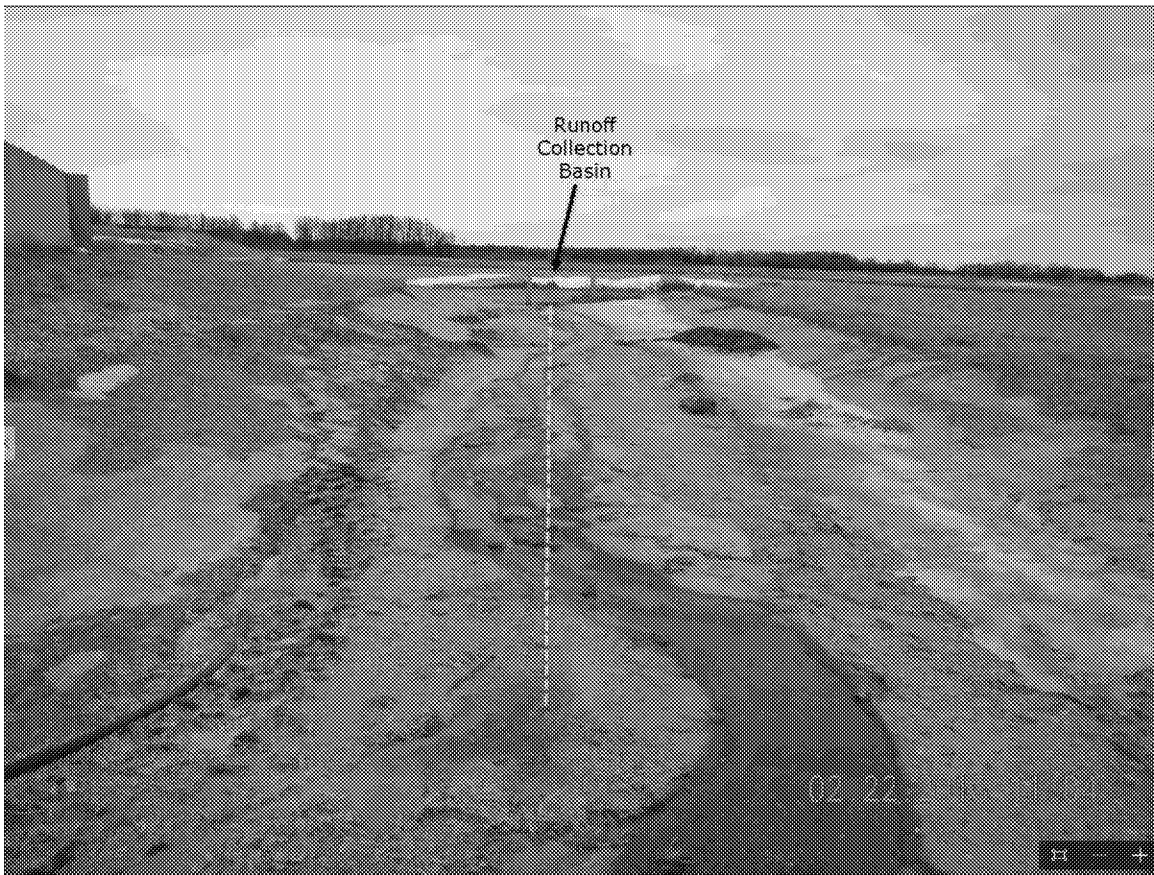


Photo 20 (left).

East end of

Ex. 6 Personal Privacy (PP)
FSA runoff control
system (facing
north). Green
arrow indicates the
direction of runoff
flow.



Photo 21 (left).

Southwest corner
of runoff collection
basin at Ex. 6 Personal Privacy (PP)
Farm (facing
northeast).

Liquid Waste Storage Facilities

Main Farm: There are three liquid waste storage facilities at the Main Farm that are part of a three-stage storage system connected via overflow weirs. Runoff from the South FSA is transferred to WSF 1. Liquid manure from the freestall barns post-sand separation is transferred to WSF 2. Runoff (feed and solid manure) from the Main FSA flows directly into WSFs 2 and 3. WSF 1 is a concrete storage that was constructed in 2002. WSF 2 is a concrete storage that was constructed in 2006. WSF 3 is a concrete storage that was constructed in 2011. Fencing was present around all liquid WSFs. MOL and MOS markers were present in WSF 3, but not in WSF 1 or 2.

Beef Farm: There is one liquid waste storage facility at the Beef Farm. Runoff from the outdoor concrete lots flows directly into the WSF. This WSF is a concrete storage that was constructed in 2013. Fencing was present around the WSF. MOL and MOS markers were not present in the WSF.

Ex. 6 Personal Privacy (PP) Farm: There are two liquid waste storage facilities at the Ex. 6 Personal Privacy (PP) farm that are part of a two-stage storage system connected via pipe. Manure and process wastewater from the barns is transferred to WSF 1 (west); runoff from the outdoor concrete lot and feed storage area is transferred to WSF 2 (east). WSF 1 is a clay-lined storage that was constructed in 1996. WSF 2 is a clay-lined storage that was constructed in 2007 and last evaluated in 2013 and found to be noncompliant with permit requirements. Subsequent management modifications (lowering the proposed MOL marker height) have been made to WSF 2 to return it to compliance with permit requirements. Fencing was not present around the WSFs. MOL and MOS markers were not present in the WSFs.

Ex. 6 Personal Privacy (PP) Farm: There are two liquid waste storage facilities at the Ex. 6 Personal Privacy (PP) farm that are part of a two-stage storage system connected via overflow weir. There are no animals at this site. WSF 1 (east) is an in-place earthen storage that was constructed in 1981, and WSF 2 (west) is an in-place earthen storage that was constructed in 2004; both WSFs were evaluated in 2016 and were found to be in compliance with permit requirements at that time. Fencing was present around the WSFs. MOL and MOS markers were not present in the WSFs.

180 Day Storage Calculations: In lieu of a 180-Day Storage Marker, days of liquid waste storage are calculated among all of the liquid waste storage facilities via measurement of manure levels within each facility.



Photo 22 (left). West side of WSF 1 at the Main Farm (facing east).



Photo 23 (left).
Southeast
corner of WSF 2
at the Main
Farm (facing
northwest).



Photo 24 (left).
Northwest
corner of WSF 3
at the Main Farm
(facing east).



Photo 25 (left).
Northwest
corner of WSF 3
at the Main
Farm (facing
southeast).

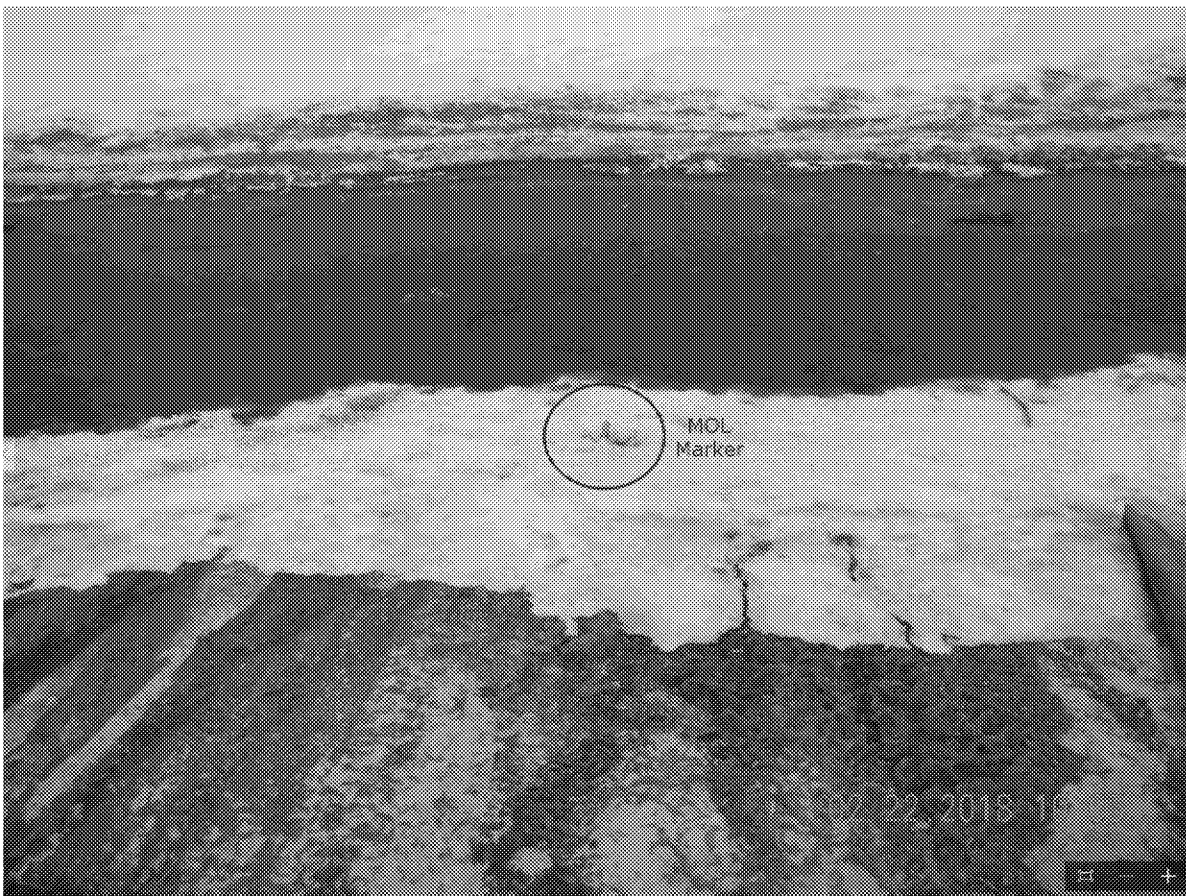


Photo 26 (left).
MOL marker in
southeast corner
of WSF 3.



Photo 27 (left).
Southeast
corner of WSF at
the Ex. 6 Personal Privacy (PP) Farm
(facing
northwest).



Photo 28 (left).
Northeast corner
of WSF 1 at the
Ex. 6 Personal Privacy (PP) Farm
(facing
southwest).



Photo 29 (left).
Northwest
corner of WSP 2
at the
Ex. 6 Personal Privacy (PP) arm
(facing
southeast).



Photo 30 (left).
Northwest
corner of WSP 2
at the
Ex. 6 Personal Privacy (PP)
Farm (facing
south).



Photo 31(left).
 East end of WSF
 1 at the
 Ex. 6 Personal Privacy (PP) farm
 (facing west)



Photo 32 (left).
 West end of WSF
 2 at the
 Ex. 6 Personal Privacy (PP) farm
 (facing east).

Outdoor Feedlots

Main Farm: There are no outdoor lots at the Main Farm

Ex. 6 Personal Privacy (PP) Farm: There are two outdoor concrete lots at the Ex. 6 Personal Privacy (PP) Farm. All manure and runoff from these areas is transferred to the WSF at the site.

Ex. 6 Personal Privacy (PP) Farm: There are two outdoor concrete lots at the Ex. 6 Personal Privacy (PP) Farm. Runoff from the outdoor lots flows to the south, then to the east and is collected by the feed storage runoff collection system and transferred to WSF 2.

Ex. 6 Personal Privacy (PP) Farm: There are no outdoor lots at the Ex. 6 Personal Privacy (PP) Farm.



Photo 33 (left). Northeast corner of outdoor concrete lot at the Ex. 6 Personal Privacy (PP) Farm (facing west). Red dashed arrow indicates the direction of runoff flow.

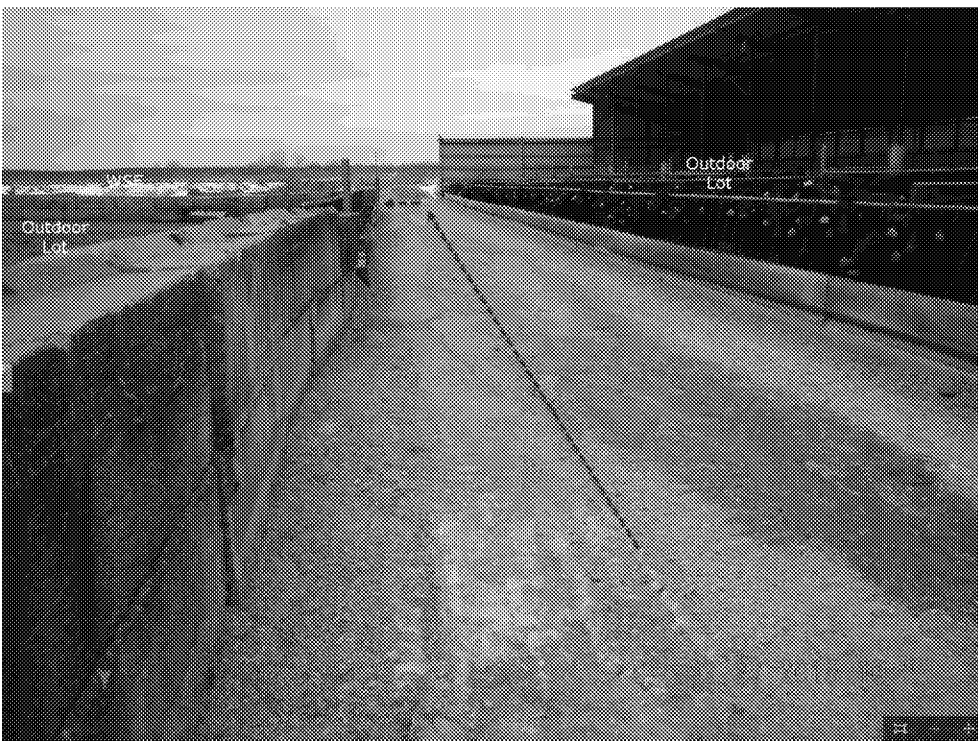


Photo 34 (left). Northeast corner of outdoor concrete lots at the Ex. 6 Personal Privacy (PP) Farm (facing west). Red dashed arrows indicate the direction of runoff flow.



Photo 35 (left).
South end of
outdoor
concrete lots at
the Ex. 6 Personal Privacy (PP)
Farm (facing
north). Red
arrows indicate
the direction of
runoff flow.

Ancillary Service & Storage Areas

Main Farm: Straw bedding was stored in feed bags on bare ground on the north and west sides of the FSA. Clean storm water is diverted via surface inlets to underground transfer systems throughout the property. No discharge concerns were noted at the time of inspection.

Farm: Bedding materials, including straw and corn stalks are stored on the southern edge of the production site. No discharge concerns were noted at the time of inspection.

Farm: Manure tracking was observed outside of the barns adjacent to the outdoor concrete lots. Good housekeeping practices should be implemented to ensure that manure discharges to the Unnamed Tributary to Lake Michigan from the production site do not occur. No discharges were observed at the time of inspection.

Farm: No discharge concerns were noted at the time of inspection.



Photo 36 (left). Southeast corner of the storm water pond located south of WSFs 1 and 2 at the Main Farm (facing northwest).



Photo 37 (left). Southwest corner of the production site at the Farm (facing east). Straw bedding pile located in foreground.



Photo 38 (left).
 Manure tracking
 out south end of
 freestall barn at
 the Farm (facing
 east). Red
 arrows indicate
 the direction of
 runoff flow.

Process Wastewater

Process wastewater sources (milking center, wash water, etc.) are managed to not have current or past indicators of discharges.

Animal Mortality Disposal

Animal mortalities are managed to not have current or past indicators of discharges. Sandy Bay Mink Ranch picks up mortalities and electronic records are kept on site.

Records Review

The permittee provided the following records at the time of inspection:

- Current WPDES Permit and Nutrient Management Plan (NMP)
- Complete production site inspection records
- Documentation of 180 days of manure storage
- Land application records to demonstrate compliance with NMP requirements
- Emergency Response Plan

Substantial Compliance

The permittee is in substantial compliance with the permit.

Action Items Due With Complete Permit Application

- Engineering evaluation of WSF 1 at [Ex. 6 Personal Privacy (PP)] Farm.
- Clean up manure tracking from barns at the [Ex. 6 Personal Privacy (PP)] Farm and provide photo documentation and a description of housekeeping best management practices that will be implemented.
- Install permanent markers (Maximum Operating Level and Margin of Safety) in liquid waste storage facilities (Main Farm: WSF 1, WSF 2, WSF 3; [Ex. 6 Personal Privacy (PP)] Farm WSF; [Ex. 6 Personal Privacy (PP)] WSF 1, WSF 2, Runoff Collection Basin; [Ex. 6 Personal Privacy (PP)] WSF 1, WSF 2). Provide photo documentation of marker installation and marker level calculations.
- Install fencing around liquid waste storage facilities that currently do not have fencing ([Ex. 6 Personal Privacy (PP)] Farm). Provide photo documentation of installation.

Items Due Over Next Permit Term

- Perform any necessary upgrades to WSF 1 pending engineering evaluation review.